PCT 10

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 10/088,8[redacted] Processing Date: 4/11/02

[redacted]d by:

Verified by: DC (STIC staff)

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: ENTERED

  _____

- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:

  _____

- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

  _____

- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

  _____

- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included:

  _____

- ☐ Deleted extra, invalid, headings used by an applicant, specifically:

  _____

- ☑ Deleted: ☑ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____.
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically:

  _____

- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically:

  _____

- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted ***ending*** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other:

  _____

  _____

  _____

  _____

***Examiner: Th abov corrections must be communicated to the applicant in th first Offic Action. DO NOT s nd a copy of this form.**

3/1/95

PCT10

RAW SEQUENCE LISTING DATE: 04/11/2002
PATENT APPLICATION: US/10/088,872 TIME: 16:37:17

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\04112002\J088872.raw

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     3 <110> APPLICANT: Merck Patent GmbH
     5 <120> TITLE OF INVENTION: Novelacute neuronal induced Calcium binding protein
     7 <130> FILE REFERENCE: ANICBP2IDWS
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/088,872
C--> 11 <141> CURRENT FILING DATE: 2002-03-22
    13 <160> NUMBER OF SEQ ID NOS: 2
    15 <170> SOFTWARE: PatentIn Ver. 2.1
    17 <210> SEQ ID NO: 1
    18 <211> LENGTH: 1014
    19 <212> TYPE: DNA
    20 <213> ORGANISM: Homo sapiens
    22 <220> FEATURE:
    23 <221> NAME/KEY: CDS
    24 <222> LOCATION: (1)..(1014)
    26 <400> SEQUENCE: 1
    27 atg aaa aaa atg cct ttg ttt agt aaa tca cac aaa aat cca gca gaa   48
    28 Met Lys Lys Met Pro Leu Phe Ser Lys Ser His Lys Asn Pro Ala Glu
    29   1               5                  10                  15
    31 att gtg aaa atc ctg aaa gac aat ttg gcc att ttg gaa aag caa gac   96
    32 Ile Val Lys Ile Leu Lys Asp Asn Leu Ala Ile Leu Glu Lys Gln Asp
    33              20                  25                  30
    35 aaa aag aca gac aag gct tca gaa gaa gtg tct aaa tca ctg caa gca   144
    36 Lys Lys Thr Asp Lys Ala Ser Glu Glu Val Ser Lys Ser Leu Gln Ala
    37          35                  40                  45
    39 atg aaa gaa att ctg tgt ggt aca aac gag aaa gaa ccc cca aca gaa   192
    40 Met Lys Glu Ile Leu Cys Gly Thr Asn Glu Lys Glu Pro Pro Thr Glu
    41      50                  55                  60
    43 gca gtg gct cag cta gca caa gaa ctc tac agc agt ggc ctg cta gtg   240
    44 Ala Val Ala Gln Leu Ala Gln Glu Leu Tyr Ser Ser Gly Leu Leu Val
    45  65                  70                  75                  80
    47 aca ctg ata gct gac ctg cag ctg ata gac ttt gag gga aaa aaa gat   288
    48 Thr Leu Ile Ala Asp Leu Gln Leu Ile Asp Phe Glu Gly Lys Lys Asp
    49                  85                  90                  95
    51 gtg acc cag ata ttt aac aac atc ttg aga aga cag ata ggc act cgg   336
    52 Val Thr Gln Ile Phe Asn Asn Ile Leu Arg Arg Gln Ile Gly Thr Arg
    53              100                 105                 110
    55 agt cct act gtg gag tat att agt gct cat cct cat atc ctg ttt atg   384
    56 Ser Pro Thr Val Glu Tyr Ile Ser Ala His Pro His Ile Leu Phe Met
    57          115                 120                 125
    59 ctc ctc aaa gga tat gaa gcc cca cag att gcc tta cgt tgt ggg att   432
    60 Leu Leu Lys Gly Tyr Glu Ala Pro Gln Ile Ala Leu Arg Cys Gly Ile
    61      130                 135                 140
    63 atg ctg aga gaa tgt att cga cat gaa cca ctt gcc aaa atc atc ctc   480
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RAW SEQUENCE LISTING DATE: 04/11/2002
PATENT APPLICATION: US/10/088,872 TIME: 16:37:17

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\04112002\J088872.raw

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64 Met Leu Arg Glu Cys Ile Arg His Glu Pro Leu Ala Lys Ile Ile Leu
65 145                 150                 155                 160
67 ttt tct aat caa ttc aga gat ttc ttt aag tac gtg gag ttg tca aca   528
68 Phe Ser Asn Gln Phe Arg Asp Phe Phe Lys Tyr Val Glu Leu Ser Thr
69                  165                 170                 175
71 ttt gat att gct tca gat gcc ttt gct act ttc aag gat tta cta acc   576
72 Phe Asp Ile Ala Ser Asp Ala Phe Ala Thr Phe Lys Asp Leu Leu Thr
73              180                 185                 190
75 aga cat aaa gtg ttg gta gca gac ttc tta gaa caa aat tac gac act   624
76 Arg His Lys Val Leu Val Ala Asp Phe Leu Glu Gln Asn Tyr Asp Thr
77          195                 200                 205
79 att ttt gaa gac tat gag aaa ttg ctt cag tct gag aat tat gtt act   672
80 Ile Phe Glu Asp Tyr Glu Lys Leu Leu Gln Ser Glu Asn Tyr Val Thr
81      210                 215                 220
83 aag aga cag tct tta aag ctg cta ggg gag ctg atc ctg gac cgt cac   720
84 Lys Arg Gln Ser Leu Lys Leu Leu Gly Glu Leu Ile Leu Asp Arg His
85 225                 230                 235                 240
87 aac ttt gcc atc atg aca aag tat atc agc aag ccg gag aac ctg aaa   768
88 Asn Phe Ala Ile Met Thr Lys Tyr Ile Ser Lys Pro Glu Asn Leu Lys
89                  245                 250                 255
91 ctc atg atg aac ctc ctt cgg gat aaa agt ccc aac atc cag ttt gaa   816
92 Leu Met Met Asn Leu Leu Arg Asp Lys Ser Pro Asn Ile Gln Phe Glu
93              260                 265                 270
95 gcc ttt cat gtt ttt aag gtg ttt gtg gcc agt cct cac aaa aca cag   864
96 Ala Phe His Val Phe Lys Val Phe Val Ala Ser Pro His Lys Thr Gln
97          275                 280                 285
99 cct att gtg gag atc ctg tta aaa aat cag ccc aaa ctc att gag ttt   912
100 Pro Ile Val Glu Ile Leu Leu Lys Asn Gln Pro Lys Leu Ile Glu Phe
101     290                 295                 300
103 ctg agc agc ttc caa aaa gaa agg acg gat gat gag cag ttc gct gac   960
104 Leu Ser Ser Phe Gln Lys Glu Arg Thr Asp Asp Glu Gln Phe Ala Asp
105 305                 310                 315                 320
107 gag aag aac tac ttg att aaa cag atc cga gac ttg aag aaa acg gcc   1008
108 Glu Lys Asn Tyr Leu Ile Lys Gln Ile Arg Asp Leu Lys Lys Thr Ala
109                 325                 330                 335
111 cct tga                                                         1014
112 Pro
115 <210> SEQ ID NO: 2
116 <211> LENGTH: 337
117 <212> TYPE: PRT
118 <213> ORGANISM: Homo sapiens
120 <400> SEQUENCE: 2
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122   1               5                  10                  15
123 Ile Val Lys Ile Leu Lys Asp Asn Leu Ala Ile Leu Glu Lys Gln Asp
124              20                  25                  30
125 Lys Lys Thr Asp Lys Ala Ser Glu Glu Val Ser Lys Ser Leu Gln Ala
126          35                  40                  45
127 Met Lys Glu Ile Leu Cys Gly Thr Asn Glu Lys Glu Pro Pro Thr Glu
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RAW SEQUENCE LISTING DATE: 04/11/2002
PATENT APPLICATION: US/10/088,872 TIME: 16:37:17

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\04112002\J088872.raw

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128      50                  55                  60
129 Ala Val Ala Gln Leu Ala Gln Glu Leu Tyr Ser Ser Gly Leu Leu Val
130  65                  70                  75                  80
131 Thr Leu Ile Ala Asp Leu Gln Leu Ile Asp Phe Glu Gly Lys Lys Asp
132                  85                  90                  95
133 Val Thr Gln Ile Phe Asn Asn Ile Leu Arg Arg Gln Ile Gly Thr Arg
134              100                 105                 110
135 Ser Pro Thr Val Glu Tyr Ile Ser Ala His Pro His Ile Leu Phe Met
136          115                 120                 125
137 Leu Leu Lys Gly Tyr Glu Ala Pro Gln Ile Ala Leu Arg Cys Gly Ile
138      130                 135                 140
139 Met Leu Arg Glu Cys Ile Arg His Glu Pro Leu Ala Lys Ile Ile Leu
140 145                 150                 155                 160
141 Phe Ser Asn Gln Phe Arg Asp Phe Phe Lys Tyr Val Glu Leu Ser Thr
142                 165                 170                 175
143 Phe Asp Ile Ala Ser Asp Ala Phe Ala Thr Phe Lys Asp Leu Leu Thr
144              180                 185                 190
145 Arg His Lys Val Leu Val Ala Asp Phe Leu Glu Gln Asn Tyr Asp Thr
146          195                 200                 205
147 Ile Phe Glu Asp Tyr Glu Lys Leu Leu Gln Ser Glu Asn Tyr Val Thr
148      210                 215                 220
149 Lys Arg Gln Ser Leu Lys Leu Leu Gly Glu Leu Ile Leu Asp Arg His
150 225                 230                 235                 240
151 Asn Phe Ala Ile Met Thr Lys Tyr Ile Ser Lys Pro Glu Asn Leu Lys
152                 245                 250                 255
153 Leu Met Met Asn Leu Leu Arg Asp Lys Ser Pro Asn Ile Gln Phe Glu
154              260                 265                 270
155 Ala Phe His Val Phe Lys Val Phe Val Ala Ser Pro His Lys Thr Gln
156          275                 280                 285
157 Pro Ile Val Glu Ile Leu Leu Lys Asn Gln Pro Lys Leu Ile Glu Phe
158      290                 295                 300
159 Leu Ser Ser Phe Gln Lys Glu Arg Thr Asp Asp Glu Gln Phe Ala Asp
160 305                 310                 315                 320
161 Glu Lys Asn Tyr Leu Ile Lys Gln Ile Arg Asp Leu Lys Lys Thr Ala
162                 325                 330                 335
163 Pro
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VERIFICATION SUMMARY DATE: 04/11/2002
PATENT APPLICATION: US/10/088,872 TIME: 16:37:18

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\04112002\J088872.raw

L:9 M:270 C: Current Application Number differs, Replaced Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

PCT10

Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/088,872

DATE: 04/08/2002
TIME: 14:26:56

Input Set : A:\EP.txt
Output Set: N:\CRF3\04082002\J088872.raw

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      3 <110> APPLICANT: Merck Patent GmbH
      5 <120> TITLE OF INVENTION: Novelacute neuronal induced Calcium binding protein
      7 <130> FILE REFERENCE: ANICBP2IDWS
C-->  9 <140> CURRENT APPLICATION NUMBER: US/10/088,872
C--> 11 <141> CURRENT FILING DATE: 2002-03-22
     13 <160> NUMBER OF SEQ ID NOS: 2
     15 <170> SOFTWARE: PatentIn Ver. 2.1
```

ERRORED SEQUENCES

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     115 <210> SEQ ID NO: 2
     116 <211> LENGTH: 337
     117 <212> TYPE: PRT
     118 <213> ORGANISM: Homo sapiens
     120 <400> SEQUENCE: 2
     121 Met Lys Lys Met Pro Leu Phe Ser Lys Ser His Lys Asn Pro Ala Glu
     122   1               5                  10                  15
     123 Ile Val Lys Ile Leu Lys Asp Asn Leu Ala Ile Leu Glu Lys Gln Asp
     124              20                  25                  30
     125 Lys Lys Thr Asp Lys Ala Ser Glu Glu Val Ser Lys Ser Leu Gln Ala
     126          35                  40                  45
     127 Met Lys Glu Ile Leu Cys Gly Thr Asn Glu Lys Glu Pro Pro Thr Glu
     128      50                  55                  60
     129 Ala Val Ala Gln Leu Ala Gln Glu Leu Tyr Ser Ser Gly Leu Leu Val
     130  65                  70                  75                  80
     131 Thr Leu Ile Ala Asp Leu Gln Leu Ile Asp Phe Glu Gly Lys Lys Asp
     132                  85                  90                  95
     133 Val Thr Gln Ile Phe Asn Asn Ile Leu Arg Arg Gln Ile Gly Thr Arg
     134             100                 105                 110
     135 Ser Pro Thr Val Glu Tyr Ile Ser Ala His Pro His Ile Leu Phe Met
     136         115                 120                 125
     137 Leu Leu Lys Gly Tyr Glu Ala Pro Gln Ile Ala Leu Arg Cys Gly Ile
     138     130                 135                 140
     139 Met Leu Arg Glu Cys Ile Arg His Glu Pro Leu Ala Lys Ile Ile Leu
     140 145                 150                 155                 160
     141 Phe Ser Asn Gln Phe Arg Asp Phe Phe Lys Tyr Val Glu Leu Ser Thr
     142                 165                 170                 175
     143 Phe Asp Ile Ala Ser Asp Ala Phe Ala Thr Phe Lys Asp Leu Leu Thr
     144             180                 185                 190
     145 Arg His Lys Val Leu Val Ala Asp Phe Leu Glu Gln Asn Tyr Asp Thr
     146         195                 200                 205
     147 Ile Phe Glu Asp Tyr Glu Lys Leu Leu Gln Ser Glu Asn Tyr Val Thr
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RAW SEQUENCE LISTING DATE: 04/08/2002
PATENT APPLICATION: US/10/088,872 TIME: 14:26:57

Input Set : A:\EP.txt
Output Set: N:\CRF3\04082002\J088872.raw

```
148     210                 215                 220
149 Lys Arg Gln Ser Leu Lys Leu Leu Gly Glu Leu Ile Leu Asp Arg His
150 225                 230                 235                 240
151 Asn Phe Ala Ile Met Thr Lys Tyr Ile Ser Lys Pro Glu Asn Leu Lys
152                 245                 250                 255
153 Leu Met Met Asn Leu Leu Arg Asp Lys Ser Pro Asn Ile Gln Phe Glu
154             260                 265                 270
155 Ala Phe His Val Phe Lys Val Phe Val Ala Ser Pro His Lys Thr Gln
156         275                 280                 285
157 Pro Ile Val Glu Ile Leu Leu Lys Asn Gln Pro Lys Leu Ile Glu Phe
158     290                 295                 300
159 Leu Ser Ser Phe Gln Lys Glu Arg Thr Asp Asp Glu Gln Phe Ala Asp
160 305                 310                 315                 320
161 Glu Lys Asn Tyr Leu Ile Lys Gln Ile Arg Asp Leu Lys Lys Thr Ala
162                 325                 330                 335
163 Pro
E--> 170 - 3 - delete
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VERIFICATION SUMMARY DATE: 04/08/2002
PATENT APPLICATION: **US/10/088,872** TIME: 14:26:58

Input Set : **A:\EP.txt**
Output Set: **N:\CRF3\04082002\J088872.raw**

L:9 M:270 C: Current Application Number differs, Replaced Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:170 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2